



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,911	06/16/2005	Eric Dietschi	1325-5PCT/US	8413
7590		09/24/2007		
Irving N Feit Hoffman & Baron 6900 Jericho Turnpike Syosset, NY 11791			EXAMINER TAPOLCAI, WILLIAM E	
			ART UNIT	PAPER NUMBER
			3744	
			MAIL DATE	DELIVERY MODE
			09/24/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/539,911

Applicant(s)

DIETSCHI ET AL.

Examiner

William E. Tapolcai

Art Unit

3744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-54 is/are pending in the application.
- 4a) Of the above claim(s) 23-36 and 46-54 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10, 11, 13, 14, 16, 17, 19-22 and 37-45 is/are rejected.
- 7) ☒ Claim(s) 9, 12, 15 and 18 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Art Unit: 3744

1. Claims 23-36 and 46-54 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention and species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on August 30, 2007.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 5, 6, 13, 16, 19-22, and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,140,824 to Hunt. Hunt discloses the claimed invention of the primary and secondary heat exchange systems being one inside of the other. See especially Fig. 2 and coils 24 and 38.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4, 14, 17, and 38-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hunt. Hunt discloses the claimed invention except for the arrangement of the primary and secondary heat exchange systems. The arrangement of the primary and secondary heat exchange systems is considered to be a matter of obvious choice, as to which system is inside of the other. No criticality or unexpected

results are seen or have been disclosed for the recitation of the primary heat exchanger being inside the second heat exchanger. Also, the provision of the coil wound around a wall is considered to be a well known expedient to one of ordinary skill in the heat exchange art. Furthermore, the provision of the reservoir 48 located above the chamber of the secondary heat exchange system is considered to be a matter of obvious choice. Finally, the type of fluid being cooled is considered to be a matter of obvious choice, as the recited fluids are all well known.

6. Claims 7, 8, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hunt in view of U.S. Patent No. 6,581,405 to Kim et al. Hunt discloses the claimed invention except for the chamber within a chamber. Kim et al teaches a heat exchanger for a primary and secondary system which comprises a chamber 17-1 or 17-2 located within another chamber 18-1 or 18-2. Thus, it would be obvious to modify Hunt so that the heat exchange arrangement between the primary and secondary systems is a chamber located within a chamber, in view of Kim et al, with the predictable result that an increased heat exchange surface is provided.

7. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hunt in view of U.S. Patent No. 6,216,469 to Miller. Hunt discloses the claimed invention except for the thermostat. Miller teaches that it is old to control a heat exchange system with a thermostat 45 or 47 or 50. Thus, it would be obvious to provide Hunt with a thermostat, in view of Miller, with the predictable result that the primary heat exchange system is more accurately controlled.

Art Unit: 3744

8. Claims 42-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hunt in view of U.S. Patent No. 4,916,910 to Schroeder. Hunt discloses the claimed invention except for the dispensing tap. Schroeder teaches a heat exchange system incorporating primary and secondary heat exchange systems and a dispensing tap 31, 32. Thus, it would be obvious to incorporate the heat exchange system of Hunt in a dispensing system that uses a dispensing tap, in view of Schroeder, with the predictable result that a consumable beverage is cooled.

9. Claims 9, 12, 15, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (571) 272-4814. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3744

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


William E. Tapolcai
Primary Examiner
Art Unit 3744

wet
September 14, 2007